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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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[REDACTED] EXAMINER

THAI, XUAN MARIAN

[REDACTED] ART UNIT [REDACTED] PAPER NUMBER

2181

DATE MAILED: 09/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/749,795	JEONG ET AL.	
	Examiner XUAN M. THAI	Art Unit 2181	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 28 December 2000.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-14 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-14 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____
2) <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

1. This is in response to communication filed on December 28, 2000. Claims 1-14 are presented for examination.

Drawings

2. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.
3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "input data processing means" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
5. Claims 1-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Art Unit: 2181

As per claim 1, it is unclear which element(s) of the switch system can be correlated to in light of the specification for the recitation “input data processing means” (lines 3,9,10, 13 &14). The drawings and the description do not show what element(s) the “input data *processing* means” is referring to (emphasis added). Correction is required.

As per claim 1, it is unclear what are the metes and bounds of the limitation “input data *by target output ports*” (lines 4-5, 10 & 14). Is “the output ports” (line 14) the same as “target output ports” (lines 4-5) and “the target output port” (line 10)? Clarification is requested and required.

As per claim 2, claim 2 recites the limitation "the input data storing means" in lines 1-2. There is insufficient antecedent basis for this limitation in the claim.

As per claim 2, it is unclear what are the metes and bounds of the limitation “data inputted through the input ports *by output ports*” (lines 4-5; emphasis added). Clarification is requested and required

As per claim 2, it is unclear what are the metes and bounds of the limitation “switching by output ports” (line 9). Clarification is requested and required.

As per claim 3, it is unclear what are the metes and bounds of the limitation “because the cell address information on more than the predetermined number of input data is not stored in the second input information storing means” (lines 6-8). In addition, the limitation “the cell address information” lacks proper antecedent basis in the claim.

As per claim 4, it is unclear what are the metes and bounds of the limitation “data storing means *another further* comprising” (line 2, emphasis added). Clarification and correction is requested and required.

As per claim 4, it is unclear which element(s) of the switch system can be correlated to in light of the specification for the recitation “input data processing means” (line 15). The drawings and the description do not show what element(s) the “input data processing means” is referring to (emphasis added). Correction is required.

As per claim 5, it is unclear which element(s) of the switch system can be correlated to in light of the specification for the recitation “input data processing means” (line 5). The drawings and the description do not show what element(s) the “input data processing means” is referring to (emphasis added). Correction is required.

As per claim 8, it is unclear which element(s) of the switch system can be correlated to in light of the specification for the recitation “input data processing means” (lines 4, 7, 13, 15-16, 18). The drawings and the description do not show what element(s) the “input data processing means” is referring to (emphasis added). Correction is required.

As per claim 9, it is unclear which element(s) of the switch system can be correlated to in light of the specification for the recitation “input data processing means” (line 3). The drawings and the description do not show what element(s) the “input data processing means” is referring to (emphasis added). Correction is required.

As per claim 9, it is unclear what are the metes and bounds of the limitation “data is stored and managed by a corresponding first input information storing means by target output ports” (lines 7-8; emphasis added). Clarification is requested and required.

As per claim 10, it is unclear what are the metes and bounds of the limitation of the eighth, nineth and tenth steps because they are too narrative.

Art Unit: 2181

As per claim 11, it is unclear what are the metes and bounds of the limitation "because the cell address information on more than the predetermined number of input data is not stored in the second input information storing means" (lines 8-10). In addition, the limitation "the cell address information" lacks proper antecedent basis in the claim.

Claims not specifically addressed are also rejected for the reasons stated above because they depend from the rejected independent claims 1 and 8.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See attached Form PTO-892.
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to XUAN M. THAI whose telephone number is 703-308-2064. The examiner can normally be reached on Monday to Friday from 8:30 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on 703-305-4815. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



XUAN M. THAI
Primary Examiner
Art Unit 2181

XMT
September 6, 2003